



336T-J1

Durable Label Material

Technical Specifications

Product Description

336T-J1 is a 50 micron white polyester labelstock material. This product incorporates a matt printable topcoat which allows thermal transfer printability with a wide range of ribbons. This material offers excellent robustness when exposed to various abrasions, reagent and handling environments.

This label material utilises a permanent acrylic adhesive, which provides good peel and shear adhesion properties on a wide range of surfaces.

Product Construction

Component	Description	Thickness (nominal value)	
Topcoat	Matt Printable	8 micron (μ)	(0.3 mil)
Film	Polyester	50 micron (μ)	(2.0 mil)
Adhesive	Permanent Acrylic	20 micron (μ)	(0.8 mil)
Liner	Glassine	75 micron (μ)	(3.0 mil)

Product Applications

This product is designed for use on a wide range of electronic devices where the following are required:

- branding
- tracking
- ratings

Excellent print quality and definition can be achieved with alphanumerics , barcodes, logo's and more complicated graphics.



Typical Test Conditions

336T-J1 has been tested according to the following industry standards and relevant customer test specifications.

Test Type	Test Method
UL969	Referring to UL Test Specification
22.2.015	Referring to cUL/CSA Test Specification
Normal Duty Taber Abrasion	Taber abrader under 250g pressure for 100 cycles
Heavy Duty Taber Abrasion	Taber abrader under 500g pressure for 100 cycles
20% IPA Taber Abrasion	Taber abrader under 250g pressure for 50 cycles
Chemical Resistance	30 second hand rub: Isopropanol, Ethanol, Hexane, Ethyl Acetate, Xylene, Petroleum Spirit, Methoxy Propanol, Oleic Acid, Moisturising Creams, Domestic Cleaning
Defacement Test	10 rubs back and forth under 1kg pressure using a metal round edge
Scratch Test	10 rubs back and forth under 1kg pressure using a finger nail
Cross-Hatch Test	Etch 25 x 1mm by 1mm squares into the topcoat and apply 610 and 810 tape. Remove after 30 seconds.
Tape Test	610 and 810 tape applied to sample. Removed after 30 seconds.
Environmental Exposure	24 hour room temperature, 10 days 80°C, 72 Hours 40°C & 90% RH, 8 hours -40°C, 48 Hours Water Immersion

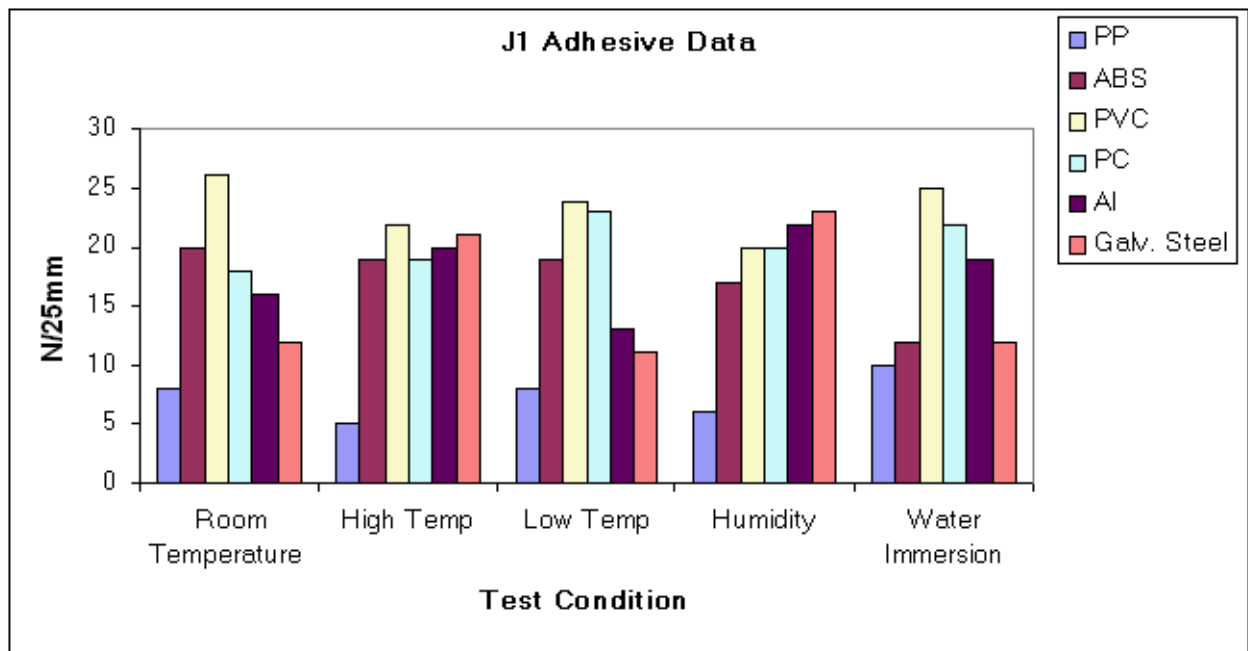
Recommended Thermal Transfer Ribbons

The thermal transfer printer applies the image using a thermal head that heats to a selected temperature for optimum quality.

Worldmark products print with the following:

Ribbons				
Black	DBS4000	DBS4200	DBS6200	DBS9900
White	DPW3000	DPW5000	DPW6000	
Grey	DPW7424	DPG6000		
Silver	DPS7000	DPS7100		

**Adhesive Performance J 1 Permanent Acrylic Adhesive
Typical Properties**



Std Atm After 24 : 24 hours at standard atmosphere

Std Atm After 72 : 72 hours at standard atmosphere

High Temp : 72 hours at 70°C

Low Temp : 72 hours at -40°C

Humidity : 72 hours at 70°C / 100% RH

Water Imm : 72 hours room temperature water immersion

Temperature Range

Recommended Range -40°C (-40°F) to 150°C (302°F)

Product Application	The application surface should be clean and dry. In order to optimise performance, surface temperatures should be around room temperature.
----------------------------	--

Storage Conditions	336T-J1 label material and labels manufactured from this material should be kept in plastic bags and stored at room temperature conditions (approx 23C and 50% RH)
---------------------------	--

Shelf Life	If stored under recommended conditions, then this material will retain it's specified performance criteria for 2 years.
-------------------	---

ROHS Compliance	This material meets European (EU) Directive 2011/65/EU on the restriction of the use of certain hazardous substances (RoHS) in electrical and electronic equipment. Worldmark can clearly state that our products do not contain halogens and heavy metals etc in excess of the maximum concentrations stipulated..
------------------------	---

NOTE: Product compliance is based upon information provided by independent laboratory testing of our products. Worldmark makes no independent representations or a warranty express or implied and assumes no liability in connection with use of this information

Warranty & Limited Liability Important Notice To Purchaser: All statements, technical information and recommendations herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties, expressed or implied, including the implied warranties, of merchantability and fitness for purpose: Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. NEITHER SELLER NOR MANUFACTURER SHALL BE LIABLE EITHER IN TORT OR IN CONTRACT FOR ANY LOSS OR DAMAGE, DIRECT OR INDIRECT, INCIDENTAL, OR CONSEQUENTIAL, ARISING OUT OF THE USE OF OR THE INABILITY TO USE THE PRODUCT. No statement or recommendation not contained herein shall have any force or effect in an agreement signed by officers of seller or manufacturer.

Last revision date: Oct 20 2013